

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/628,568A

Source: 1Fw16

Date Processed by STIC: 5/9/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/09/2005

PATENT APPLICATION: US/09/628,568A

TIME: 12:24:07

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\05092005\I628568A.raw

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3 <110> APPLICANT: Presta, Leonard G.
4      Snedecor, Bradley R.
6 <120> TITLE OF INVENTION: ALTERED POLYPEPTIDES WITH INCREASED HALF-LIFE
8 <130> FILE REFERENCE: 11669.161USC1
10 <140> CURRENT APPLICATION NUMBER: US 09/628,568A
11 <141> CURRENT FILING DATE: 2000-07-31
13 <150> PRIOR APPLICATION NUMBER: US 08/422,112
14 <151> PRIOR FILING DATE: 1995-04-14
16 <160> NUMBER OF SEQ ID NOS: 31
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 8
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Sequence comprising a salvage receptor binding epitope
28 <400> SEQUENCE: 1
30 His Gln Asn Leu Ser Asp Gly Lys
31 1      5
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 8
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Sequence comprising a salvage receptor binding epitope
42 <400> SEQUENCE: 2
44 His Gln Asn Ile Ser Asp Gly Lys
45 1      5
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 11
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Sequence comprising a salvage receptor binding epitope
56 <400> SEQUENCE: 3
58 Pro Lys Asn Ser Ser Met Ile Ser Asn Thr Pro
59 1      5      10
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 98
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 4
69 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys

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70 1          5          10          15
73 Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
74          20          25          30
77 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
78          35          40          45
81 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
82          50          55          60
85 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
86 65          70          75          80
89 Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
90          85          90          95
93 Arg Val
97 <210> SEQ ID NO: 5
98 <211> LENGTH: 98
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 5
104 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg
105 1          5          10          15
108 Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
109          20          25          30
112 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
113          35          40          45
116 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
117          50          55          60
120 Leu Ser Ser Val Val Thr Val Pro Ser Ser Asn Phe Gly Thr Gln Thr
121 65          70          75          80
124 Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys
125          85          90          95
128 Thr Val
132 <210> SEQ ID NO: 6
133 <211> LENGTH: 98
134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 6
139 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg
140 1          5          10          15
143 Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
144          20          25          30
147 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
148          35          40          45
151 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
152          50          55          60
155 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
156 65          70          75          80
159 Tyr Thr Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
160          85          90          95
163 Arg Val
167 <210> SEQ ID NO: 7

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168 <211> LENGTH: 98
169 <212> TYPE: PRT
170 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 7
174 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg
175 1 5 10 15
178 Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
179 20 25 30
182 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
183 35 40 45
186 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
187 50 55 60
190 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
191 65 70 75 80
194 Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys
195 85 90 95
198 Arg Val
202 <210> SEQ ID NO: 8
203 <211> LENGTH: 107
204 <212> TYPE: PRT
205 <213> ORGANISM: Homo sapiens
207 <400> SEQUENCE: 8
209 Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
210 1 5 10 15
213 Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe
214 20 25 30
217 Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln
218 35 40 45
221 Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
222 50 55 60
225 Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
226 65 70 75 80
229 Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
230 85 90 95
233 Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
234 100 105
237 <210> SEQ ID NO: 9
238 <211> LENGTH: 105
239 <212> TYPE: PRT
240 <213> ORGANISM: Homo sapiens
242 <400> SEQUENCE: 9
244 Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu
245 1 5 10 15
248 Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe
249 20 25 30
252 Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val
253 35 40 45
256 Lys Ala Gly Val Glu Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys
257 50 55 60

```

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260 Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser
261 65                      70                      75                      80
264 His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu
265                      85                      90                      95
268 Lys Thr Val Ala Pro Thr Glu Cys Ser
269          100                      105

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272 <210> SEQ ID NO: 10

273 <211> LENGTH: 100

274 <212> TYPE: PRT

275 <213> ORGANISM: Artificial Sequence

277 <220> FEATURE:

278 <223> OTHER INFORMATION: Humanized Fab v1b variant

280 <400> SEQUENCE: 10

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282 Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Pro Lys
283 1          5          10          15
286 Asn Ser Ser Met Ile Ser Asn Thr Pro Ala Leu Gly Cys Leu Val Lys
287          20          25          30
290 Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu
291          35          40          45
294 Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu
295          50          55          60
298 Tyr Ser Leu Ser Ser Val Val Thr Val Pro His Gln Ser Leu Gly Thr
299 65          70          75          80
302 Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val
303          85          90          95

```

306 Asp Lys Arg Val

307 100

310 <210> SEQ ID NO: 11

311 <211> LENGTH: 7

312 <212> TYPE: PRT

313 <213> ORGANISM: Artificial Sequence

315 <220> FEATURE:

316 <223> OTHER INFORMATION: Sequence comprising a salvage receptor binding epitope

318 <400> SEQUENCE: 11

320 His Gln Ser Leu Gly Thr Gln

321 1 5

324 <210> SEQ ID NO: 12

325 <211> LENGTH: 29

326 <212> TYPE: DNA

327 <213> ORGANISM: Artificial Sequence

329 <220> FEATURE:

330 <223> OTHER INFORMATION: Oligonucleotide

332 <400> SEQUENCE: 12

333 gtgaccgtgc ctcaccagag cttggggcac

29

336 <210> SEQ ID NO: 13

337 <211> LENGTH: 53

338 <212> TYPE: DNA

339 <213> ORGANISM: Artificial Sequence

341 <220> FEATURE:

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DATE: 05/09/2005

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Input Set : A:\Sequence Listing.txt

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342 <223> OTHER INFORMATION: Oligonucleotide
344 <400> SEQUENCE: 13
345 tggcaccctc ccctaagaac tcgagcatga tcagcaacac accggccctg ggc .      53
348 <210> SEQ ID NO: 14
349 <211> LENGTH: 11
350 <212> TYPE: PRT
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Constant region sequence
356 <400> SEQUENCE: 14
358 Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
359 1          5          10
362 <210> SEQ ID NO: 15
363 <211> LENGTH: 13
364 <212> TYPE: PRT
365 <213> ORGANISM: Artificial Sequence
367 <220> FEATURE:
368 <223> OTHER INFORMATION: Sequence comprising a salvage receptor binding epitope
370 <400> SEQUENCE: 15
372 Ser Pro Lys Asn Ser Ser Met Ile Ser Asn Thr Pro Ala
373 1          5          10
376 <210> SEQ ID NO: 16
377 <211> LENGTH: 34
378 <212> TYPE: DNA
379 <213> ORGANISM: Artificial Sequence
381 <220> FEATURE:
382 <223> OTHER INFORMATION: Oligonucleotide
384 <400> SEQUENCE: 16
385 tggcaccctc caaatcgagc atcacagcgg ccct      34
388 <210> SEQ ID NO: 17
389 <211> LENGTH: 9
390 <212> TYPE: PRT
391 <213> ORGANISM: Artificial Sequence
393 <220> FEATURE:
394 <223> OTHER INFORMATION: Constant region sequence
396 <400> SEQUENCE: 17
398 Ser Ser Lys Ser Thr Ser Gly Gly Thr
399 1          5
402 <210> SEQ ID NO: 18
403 <211> LENGTH: 6
404 <212> TYPE: PRT
405 <213> ORGANISM: Artificial Sequence
407 <220> FEATURE:
408 <223> OTHER INFORMATION: Constant region sequence
410 <400> SEQUENCE: 18
412 Ser Lys Ser Ser Ile Thr
413 1          5
416 <210> SEQ ID NO: 19
417 <211> LENGTH: 44

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VERIFICATION SUMMARY

DATE: 05/09/2005

PATENT APPLICATION: US/09/628,568A

TIME: 12:24:08

Input Set : A:\Sequence Listing.txt

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